Laurence Pirault-roy

List of Publications by Year
in descending order

58	929	516710 16	526287 27
papers	citations	h-index	g-index

60	60	60	1198
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Hydrogen Peroxide Decomposition on Various Supported Catalysts Effect of Stabilizers. Journal of Propulsion and Power, 2002, 18, 1235-1241.	2.2	74
2	Cooperative effect between copper and gold on ceria for CO-PROX reaction. Catalysis Today, 2012, 180, 34-41.	4.4	67
3	Study of the dry reforming of methane and ethanol using Rh catalysts supported on doped alumina. Applied Catalysis A: General, 2015, 504, 576-584.	4.3	53
4	Monopropellant decomposition catalysts. Applied Catalysis A: General, 2002, 234, 145-153.	4.3	51
5	Preferential CO oxidation over nanosized gold catalysts supported on ceria and amorphous ceriaâ€“alumina. Applied Catalysis B: Environmental, 2012, 128, 10-20.	20.2	49
6	Study on the catalytic oxidation of DMDS over Pt-Cu catalysts supported on Al2O3, AlSi20 and SiO2. Applied Catalysis B: Environmental, 2016, 181, 24-33.	20.2	42
7	Influence of the redox properties of ceria on the preparation of three-way automotive platinumâ€”rhodium/ aluminaâ€”ceria catalysts. Applied Catalysis B: Environmental, 1994, 5, 57-69.	20.2	37
8	Comparative study on the support properties in the total oxidation of dichloromethane over Pt catalysts. Chemical Engineering Journal, 2017, 313, 1010-1022.	12.7	37
9	Copper(II)- and palladium(II)-modified molecular sieve, a reusable catalyst for the Suzukiâ€“Miyaura-coupling. Applied Catalysis A: General, 2014, 484, 39-50.	4.3	34
10	Influence of acid-base properties of the support on the catalytic performances of Pt-based catalysts in a gas-phase hydrogenation of acetonitrile. Applied Catalysis A: General, 2017, 544, 1-9.	4.3	25
11	Catalytic oxidation of cyclohexane to cyclohexanone and cyclohexanol by tert-butyl hydroperoxide over Pt/oxide catalysts. Bulletin of Materials Science, 2011, 34, 1127-1135.	1.7	24
12	Methylcyclopentane reactions on Rh-Ge/Al2O3 catalysts prepared by controlled surface reaction. Applied Catalysis A: General, 2003, 252, 421-426.	4.3	23
13	Effect of Al2O3/MgO molar ratio on catalytic performance of Pt/MgOâ€“Al2O3 catalyst in acetonitrile hydrogenation followed by Fourier transform infrared spectroscopy. Applied Catalysis A: General, 2014, 475, 363-370.	4.3	22
14	Promising PtIr, catalysts for hydrocarbon transformation: Comparison of different preparation methods. Journal of Catalysis, 2010, 272, 315-319.	6.2	19
15	Catalytic abatement of dichloromethane over transition metal oxide catalysts: Thermodynamic modelling and experimental studies. Journal of Cleaner Production, 2019, 228, 814-823.	9.3	19
16	Characterization and catalytic study of PtGe/Al2O3 catalysts prepared by organometallic grafting. Journal of Catalysis, 2006, 238, 67-78.	6.2	18
17	Total Oxidation of Dichloromethane Over Metal Oxide Catalysts. Topics in Catalysis, 2013, 56, 679-687.	2.8	16
18	Effect of the metallic particle size of supported Pt catalysts on methylcyclopentane hydrogenolysis: Understanding of the ring opening products distribution by a geometric approach. Journal of Catalysis, 2018, 367, 234-243.	6.2	16

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19	Specific Behavior of Tailor-Made Ptâ€“Ge/Al2O3 Catalysts in Transformation of Hydrocarbons. Journal of Catalysis, 2002, 208, 490-493.	6.2	15
20	A new approach of selective Ge deposition for RhGe/Al2O3 catalysts: characterization and testing in 2,2,3-trimethylbutane hydrogenolysis. Applied Catalysis A: General, 2003, 245, 15-31.	4.3	15
21	Green Propulsion: Catalysts for the European FP7 Project GRASP. Topics in Catalysis, 2014, 57, 656-667.	2.8	15
22	Characterization and catalytic properties of Rhâ€“Sn/Al2O3 catalyst prepared by organometallic grafting. Applied Catalysis A: General, 2007, 332, 27-36.	4.3	14
23	Palladium, Iridium, and Rhodium Supported Catalysts: Predictive H2 Chemisorption by Statistical Cuboctahedron Clusters Model. Materials, 2018, 11, 819.	2.9	14
24	Controlled preparation and characterization of Pt-Rh/Al2O3 bimetallic catalysts for reactions in reducing conditions. Applied Catalysis A: General, 2016, 517, 81-90.	4.3	13
25	Influence of rhodium content on the behavior of Rh/SiO₂â€“Al₂O₃ catalysts for selective ring opening of decalin. RSC Advances, 2017, 7, 46803-46811.	3.6	13
26	A Highly Selective and Stable Rutheniumâ€Nickel Supported on Ceria Catalyst for Carbon Dioxide Methanation. ChemCatChem, 2021, 13, 1559-1567.	3.7	13
27	Synthesis, characterization and activity in cyclohexene epoxidation of V2O5â€“TiO2 anatase xerogel. Journal of Sol-Gel Science and Technology, 2012, 64, 637-642.	2.4	11
28	Catalytic activity and EXAFS characterisation of three way automative Ptâ€“Rh/Al2O3â€“CeO2 catalysts from different preparations. Applied Catalysis A: General, 1998, 172, 249-258.	4.3	10
29	Methylcyclopentane transformation on Geâ€“Rh bimetallic catalysts prepared by organometallic grafting. Catalysis Communications, 2007, 8, 686-692.	3.3	10
30	Synthesis of vanadium oxides 5Âwt.%VO 2 â€“M x O y by solâ€“gel process and application in cyclohexene epoxidation. Bulletin of Materials Science, 2012, 35, 1187-1194.	1.7	10
31	Preparation of mesoporous activated carbon from date stones for the adsorption of Bemacid Red. Water Science and Technology, 2019, 79, 1357-1366.	2.5	9
32	Adsorption of Bisphenol A from Aqueous Solution by HDTMA-Tunisian Clay Synthesized Under Microwave Irradiation: A Parametric and Thermodynamic Study. Clays and Clay Minerals, 2020, 68, 361-372.	1.3	9
33	Porous carbon materials derived from olive kernels: application in adsorption of organic pollutants. Environmental Science and Pollution Research, 2020, 27, 29967-29982.	5.3	9
34	Preparation and characterization of MTiX for the catalytic oxidation of cyclohexane. RSC Advances, 2014, 4, 22374-22379.	3.6	8
35	Study of the Structureâ€“Activity Relationship in a Heterogeneous Copperâ€“Palladium Catalysed Suzukiâ€“Miyaura Coupling. Catalysis Letters, 2015, 145, 834-839.	2.6	8
36	Catalytic wet air oxidation of high BPA concentration over iron-based catalyst supported on orthophosphate. Environmental Science and Pollution Research, 2020, 27, 32533-32543.	5.3	8

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37	NO reduction by CO under oxidative conditions over CoCuAl mixed oxides derived from hydrotalcite-like compounds: Effect of water. Catalysis Today, 2022, 384-386, 97-105.	4.4	8
38	Catalytic Partial Oxidation of Methanol and Methyl Mercaptan: Studies on the Selectivity of TiO2 and CeO2 Supported V2O5 Catalysts. Topics in Catalysis, 2013, 56, 650-657.	2.8	7
39	Study of effect of chromium on titanium dioxide phase transformation. Bulletin of Materials Science, 2014, 37, 669-677.	1.7	7
40	Selective ring opening of decalin on Rh-Pd/SiO2-Al2O3 bifunctional systems: Catalytic performance and deactivation. Fuel Processing Technology, 2018, 177, 6-15.	7.2	7
41	Total Oxidation of Dichloromethane over Silica Modified Alumina Catalysts Washcoated on Ceramic Monoliths. Catalysts, 2018, 8, 339.	3.5	7
42	Oxygen Storage Capacity of Ptâ€“CeO2 and Ptâ€“Ce0.5Zr0.5O2 Catalysts. Topics in Catalysis, 2013, 56, 658-661.	2.8	6
43	The Influence of the Nature of the Support on the Copperâ€“Palladium Catalysed Suzukiâ€“Miyaura-Coupling. Catalysis Letters, 2016, 146, 596-608.	2.6	6
44	Catalytic activity of metal-doped porous materials in the salicylaldehyde Petasis-Borono Mannich reaction. Monatshefte FÃ¼r Chemie, 2016, 147, 749-753.	1.8	6
45	Catalytic degradation of Oâ€cresol using H₂O₂ onto Algerian Clayâ€Na. Water Environment Research, 2019, 91, 165-174.	2.7	6
46	Preparation of Pt-Rh/Al2O3-CeO2 catalysts by surface redox reactions. Studies in Surface Science and Catalysis, 1995, 96, 193-202.	1.5	5
47	Modelling of the metallic phases of different Ptâ€“Rh/Al2O3â€“CeO2 catalysts: influence of the rhodium loading and nature of the metallic precursors. Applied Catalysis A: General, 2000, 199, 109-122.	4.3	5
48	Investigation of catalysts M/CeO2 (Mâ€‰=â€‰Pt, Rh, or Pd) for purification of CO2 derived from oxycombustion in the absence or presence of water. Environmental Science and Pollution Research, 2021, 28, 12521-12532.	5.3	5
49	Influence of the Ir content and the support on the thiotolerance of the Ir/<scp>SiO₂â€Al₂O₃</scp> catalysts for selective ring opening of decalin. Canadian Journal of Chemical Engineering, 2021, 99, 1146-1157.	1.7	4
50	PROPULSION AND CATALYSIS - HISTORICAL SURVEY, UP-TO-DATE OVERVIEW, AND CURRENT CHALLENGES. International Journal of Energetic Materials and Chemical Propulsion, 2010, 9, 413-436.	0.3	4
51	Heterogeneous Catalytic Degradation of Diuron Using Algerian Sodium Montmorillonite. Clean - Soil, Air, Water, 2022, 50, 2000468.	1.1	4
52	Modification by sulfur of automotive exhaust catalysts: effects of the preparation procedure of the catalysts. Studies in Surface Science and Catalysis, 1994, 88, 343-350.	1.5	2
53	Ethylcyclopentane ring opening reaction over PtGe/Al2O3 catalysts prepared by controlled surface reaction. Reaction Kinetics and Catalysis Letters, 2008, 94, 301-310.	0.6	2
54	Application of supported lanthanum catalysts in the hydrogenation of nitriles. Reaction Kinetics, Mechanisms and Catalysis, 2021, 133, 687.	1.7	2

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55	Temperature and pH influence on Diuron adsorption by Algerian Mont-Na Clay. International Journal of Environmental Analytical Chemistry, 0, , 1-18.	3.3	2
56	Well-defined Rh/Al2O3 catalysts selectively poisoned by Ge: a new tool to study reaction pathways. Studies in Surface Science and Catalysis, 2006, , 577-584.	1.5	1
57	Investigation of different preparation methods of PtIr, PtIrSn and PtIrGe catalysts. Studies in Surface Science and Catalysis, 2010, 175, 467-470.	1.5	1
58	Design and Development of a Dynamic Reactor with Online Analysis for the Catalytic Decomposition of Monopropellants. , 2004, , .		0